OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
SUPPLEMENTAL LPG TANK INSTALLATION APPLICATION
FOR VERTICALLY MOUNTED TANKS

THE COMPLETION AND SUBMITTAL OF COPY OF THIS SUPPLEMENTAL APPLICATION PAGE IS MANDATORY FOR THE INSTALLATION AND/OR RELOCATION OF ALL LPG TANKS IN EXCESS OF 2,000 GALLONS, IF THE AGGREGATE CAPCITY OF TANKS BEING INSTALLED EXCEEDS 4,000 GALLONS, AND FOR ALL LPG TANKS USED TO RECHARGE SMALLER CYLINDERS, INCLUDING VEHICLE REFUELING OPERATIONS, REGARDLESS OF CAPACITY IF THE TANK IS TO BE MOUNTED IN A VERTICAL ORIENTATION

SUBMIT THIS SUPPLEMENT WITH THE THREE (3) PAGE OSFM LPG TANK APPLICATION

LOCATION OF TANK INSTALLATION

BUSINESS NAME: _____

ADDRESS: _____

CITY/COUNTY: _____/_____

SUBMITTER OF APPLICATION

NAME: _____

EMAIL ADDRESS: _____

ADDRESS: _____

CITY/ZIP: _____

LOCAL FIRE DEPARTMENT: _____

1. Are containers designed to be self-supporting without the use of guy wires and to withstand the wind, seismic (earthquake) forces, and hydrostatic test loads anticipated at the site? ☐ YES ☐ NO

2. Have shop-fabricated containers been fabricated with lifting lugs or other means to lift the container? ☐ YES ☐ NO

3. Have containers been designed with steel supports that allow the container to be mounted on, and fastened to, concrete foundations or supports? ☐ YES ☐ NO

4. Are containers installed on reinforced concrete or steel structural supports on reinforced concrete foundations that are designed to meet the loading provisions established in NFPA 58 (2011) Section 5.2.4.3? ☐ YES ☐ NO

5. Are steel supports protected against fire exposure with a material having a fire resistance rating of at least two (2) hours, except that continuous steel skirts that have only one opening that is 18 in. or less in diameter shall have required fire protection applied to the outside of the skirts.? ☐ YES ☐ NO ☐ NOT APPLICABLE

6. Will steel skirts have only one opening of 18 in. or less in diameter? ☐ YES ☐ NO

8. Will vertical ASME containers used in liquid service be manifolded to horizontal ASME containers? (**Note: this is prohibited by NFPA 58**). ☐ YES ☐ NO

9. Will vertical ASME containers of different dimensions be manifolded together? (**Note: this is prohibited by NFPA 58**). ☐ YES ☐ NO

10. Has wind loading on containers been based on wind pressures on the projected area at various height zones above ground in accordance with ASCE 7, *Minimum Design Loads for Buildings and Other Structures* with wind speeds based on a mean occurrence interval of 100 years? ☐ YES ☐ NO

11. Has seismic loading on containers been calculated in accordance with ASCE 7, *Minimum Design Loads for Buildings and Other Structures*. A seismic analysis of the proposed installation is required to be made. ☐ YES ☐ NO

12. The maximum vapor pressure and maximum allowable working pressure (MAWP) shall be as prescribed in section 5.2.4.3(B) of NFPA 58. ☐ YES ☐ NO

NAME OF APPLICANT: _____ SIGNATURE: _____

TITLE: _____ REPRESENTING: _____

DATE: _____

SUBMIT TO: OSFM Technical Services, 100 W. Randolph St. Suite 4-600 Chicago, IL 60601